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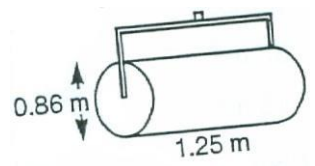
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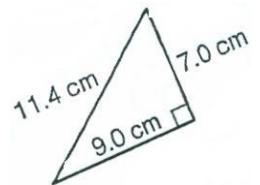
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1. A lawn roller is 1.25 m wide and 0.86 m high. What area is covered in one revolution?

a) 1.26 m^2 b) 3.4 m^2 c) 12.6 m^2 d) 25.1 m^2 

2. Which is the area of the triangle?

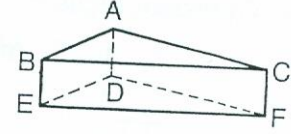
a) 63 cm^2 b) 51 cm^2 c) 32 cm^2 d) 40 cm^2 

3. The diameter of a bicycle wheel is 0.6 m. When the wheel makes one revolution on the ground, what is the distance covered?

- a) 0.3 m b) 1.1 m c) 1.9 m d) 3.8 m

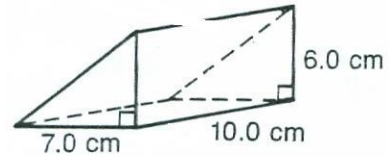
4. How many faces are in the prism?

- a) 9 b) 6 c) 4 d) 5

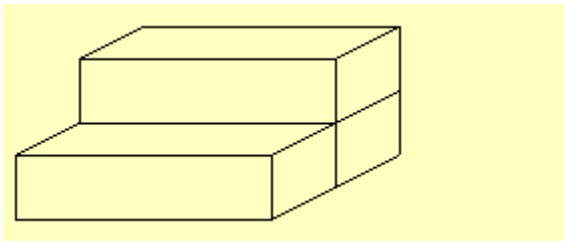


5. A block of wood has the shape of a triangular right prism. What is the total surface area of the wood?

- a) 292 cm^2 b) 264 cm^2
c) 392 cm^2 d) 154 cm^2

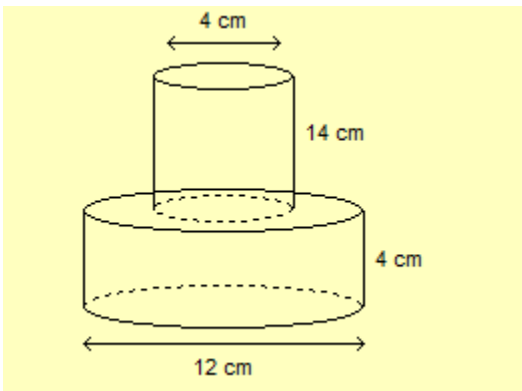


6. This object is made from 3 identical right rectangular prisms. Each prism is 55 cm long and has square ends of side length 25 cm. What is the surface area of the object.



- a) $20\,250 \text{ cm}^2$ b) $12\,875 \text{ cm}^2$ c) $12\,000 \text{ cm}^2$ d) $14\,750 \text{ cm}^2$

7. This object is composed of a cylinder of diameter 4 cm and height 14 cm on top of another cylinder of diameter 12 cm and height of 4 cm. Determine the surface area of the object, to the nearest square centimeter.



- a) 440 cm^2 b) 557 cm^2 c) 561 cm^2 d) 553 cm^2

8. Which of the following fractions is a perfect square?

- a) $\frac{12}{144}$ b) $\frac{17}{169}$ c) $\frac{36}{168}$ d) $\frac{25}{144}$

9. The area of a square is 201.64 cm^2 . What is the length of one side of the square?

- a) 12.2 cm b) 14.2 cm c) 20 cm d) 21.5 cm

10. A rectangle has a length of 4.5 cm and a width of 2.8 cm. Find the length of the diagonal of the rectangle.

- a) 28.09 cm b) 5.3 cm c) 7.8 cm d) 20.3 cm

11. Solve. $\frac{17}{8} - \left(-\frac{9}{2}\right)$

- a) $\frac{43}{8}$ b) $\frac{53}{2}$ c) $\frac{53}{8}$ d) $\frac{26}{8}$

12. Solve. $\left(-\frac{6}{36}\right) \div \left(-\frac{6}{12}\right)$

- a) $\left(-\frac{1}{6}\right)$ b) $\frac{1}{6}$ c) $\left(-\frac{1}{3}\right)$ d) $\frac{1}{3}$

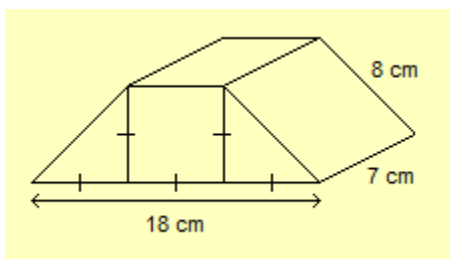
13. Solve. $-1.2 \div (0.6) - [7.4 + (-4.5)]$

- a) -2.9 b) -5.1 c) -4.9 d) 7.2

14. The area of a square garden is 6.76 m^2 . What is the perimeter of the garden?

- a) 10.4 m b) 2.6 m c) 1.69 m d) 5.2 m

15. This object is composed of two right triangular prisms and a right rectangular prism. Determine the surface area of the object.



- a) 298 cm^2 b) 424 cm^2 c) 568 cm^2 d) 352 cm^2

16. Evaluate. $[(\frac{-3}{2})^2 + \frac{3}{4}] \div \frac{3}{4}$

- a) 4 b) $2\frac{1}{4}$ c) -2 d) $-2\frac{1}{4}$

17. Which statement is true?

- a) $3.6 < 3.5$ b) $-3.6 < -3.5$ c) $1.9 > 2$ d) $2 < 1.9$

18. Which number is not a perfect square?

- a) 49 b) 64 c) 75 d) 81

19. Solve. $\frac{2 \times (0 + 6 \times 5) + 40 \div 2}{2^2 \times (5 + 3) \div 8}$

- a) 20 b) 25 c) 40 d) 48

20. Solve. $\frac{3}{4} \times (\frac{-6}{7}) \times (\frac{-14}{15})$

- a) $\frac{1}{5}$ b) $\frac{3}{5}$ c) $\frac{-3}{5}$ d) $\frac{5}{3}$

21. Solve. $(\frac{-4}{5}) + (\frac{-3}{4})$

- a) $\frac{-7}{9}$ b) $-1\frac{11}{20}$ c) $\frac{3}{5}$ d) $1\frac{11}{20}$

22. Five sheets of plywood are piled together. Each successive sheet is 4 mm thicker than the one beneath it. The bottom sheet is 5 mm thick. What is the thickness of the pile?

- a) 20 mm b) 25 mm c) 29 mm d) 65 mm

23. Which should be the next number in the sequence? 2, 5, 10, 17, 26, ...

- a) 35 b) 27 c) 37 d) 39